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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : MAEDA TOSHIHIDE;

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TITLE : TRAP FOR PURIFYING DIESEL EXHAUST GAS

ABSTRACT : PURPOSE: To provide a diesel exhaust gas trap prevented from the detachment of a catalytic metal and capable of being regenerated at low temp. within a short time in the exhaust gas trap used in various diesel engines of diesel vehicles.

CONSTITUTION: A diesel exhaust gas trap is formed by supporting one or more kind of a metal selected from among Fe, Co, Ni, Ru, Rh, Pd, Cu, Au, W, Pt and the like on the surface of a ceramic honeycomb composed of a ceramics fiber by a low temp. thermal spraying method. Since the trap can be regenerated at low temp. within a short time by an oxidizing catalyst and the oxidizing catalyst is strongly supported on the ceramic honeycomb by the thermal spraying method, this trap is excellent in durability. Since the honeycomb made of a ceramic fiber is used, a crack or welding loss is not generated in the trap by the heat at the time of the regeneration of a catalyst.

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